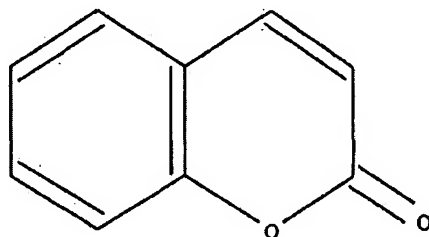


# **ATTACHMENT B**

**CoumarinStructure&Electroluminescence**

Open Task started on Thu Sep 20, 2007 at 7:10 PM

Input structure:



Opened File: C:\Program Files\SCIFINDER\Coumarin.sfr

Title:

Coumarin

Description:

Structure task started on Wed Sep 19, 2007 at 8:18 PM

Get substances with structures similar to this structure

Explored for similar substances in REGISTRY.

15722 Substances

Analyze by Similarity started.

Selected scores:  $\geq 99$  (most similar), 95-98, 90-94, 85-89, 80-84, 75-79, 70-74, 65-69.

Get References started

26612 references were found for 2003 of 2003 substances in CAPLUS

Research Topic Refine started

183 references were found when refined using the phrase "electroluminescence"

Copyrights:

CAPLUS: Copyright © 2007 American Chemical Society. All Rights Reserved. (The UK patent material in this product/service is UK Crown copyright and is made available with permission. © Crown Copyright. The French (FR) patent material in this product/service is made available from Institut National de la Propriété Industrielle (INPI).)

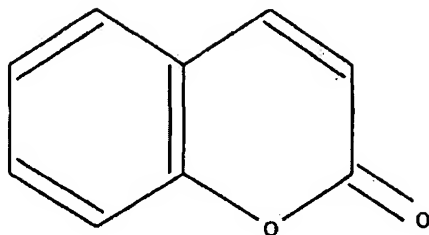
REGISTRY: Copyright © 2007 American Chemical Society. All Rights Reserved. (Some records contain information from GenBank(R). See also: Benson D.A., Karsch-Mizrachi I., Lipman D.J., Ostell J., Rapp B.A., Wheeler D.L. Genbank. Nucl. Acids Res. 28(1):15-18 (2000). Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.) CAS Registry is a service mark of the American Chemical Society.

CASREACT: Copyright © 2007 American Chemical Society. All Rights Reserved. (In addition to reactions indexed by CAS, CASREACT contains reactions derived from the following sources: ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Claus Kieslich.)

CHEMLIST, CHEMCATS: Copyright © 2007 American Chemical Society. All Rights Reserved.

Open Task started on Thu Sep 20, 2007 at 7:10 PM

Input structure:



Opened File: C:\Program Files\SCIFINDER\Coumarin.sfr

Title:

Coumarin

Description:

Structure task started on Wed Sep 19, 2007 at 8:18 PM

Get substances with structures similar to this structure

Explored for similar substances in REGISTRY.

15722 Substances

Analyze by Similarity started.

Selected scores:  $\geq 99$  (most similar), 95-98, 90-94, 85-89, 80-84, 75-79, 70-74, 65-69.

Copyrights:

CAPLUS: Copyright © 2007 American Chemical Society. All Rights Reserved. (The UK patent material in this product/service is UK Crown copyright and is made available with permission. © Crown Copyright. The French (FR) patent material in this product/service is made available from Institut National de la Propriété Industrielle (INPI).)

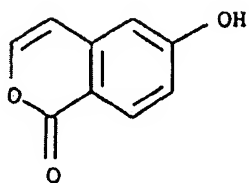
REGISTRY: Copyright © 2007 American Chemical Society. All Rights Reserved. (Some records contain information from GenBank(R). See also: Benson D.A., Karsch-Mizrachi I., Lipman D.J., Ostell J., Rapp B.A., Wheeler D.L. Genbank. Nucl. Acids Res. 28(1):15-18 (2000). Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.) CAS Registry is a service mark of the American Chemical Society.

CASREACT: Copyright © 2007 American Chemical Society. All Rights Reserved. (In addition to reactions indexed by CAS, CASREACT contains reactions derived from the following sources: ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kiestlich.)

CHEMLIST, CHEMCATS: Copyright © 2007 American Chemical Society. All Rights Reserved.

Answer 1:

Registry Number: 947234-66-4

Formula: C<sub>9</sub> H<sub>6</sub> O<sub>3</sub>

CA Index Name: 1H-2-Benzopyran-1-one, 6-hydroxy-

## -- Resources --

References: -1

STN Files: CAPLUS

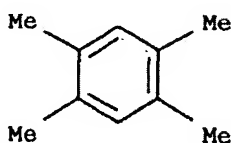
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:  
3D Model

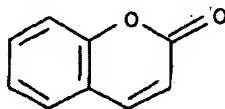
Answer 2:

Registry Number: 938440-33-6

Component Registry Number: 95-93-2

Formula: C<sub>10</sub> H<sub>14</sub>

Component Registry Number: 91-64-5

Formula: C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>Formula: (C<sub>10</sub> H<sub>14</sub> . C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>)<sub>x</sub>

CA Index Name: 2H-1-Benzopyran-2-one, polymer with 1,2,4,5-tetramethylbenzene

Class Identifier: Polymer

Polymer Class Term: Polyether, Polyether only

-- Resources --

References: ~1

STN Files: CAPLUS, CA

Database: REGISTRY (Copyright (C) 2007 ACS)

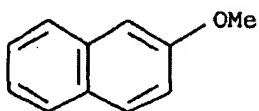
Additional Information:

Answer 3:

Registry Number: 938440-32-5

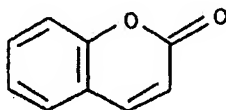
Component Registry Number: 93-04-9

Formula: C<sub>11</sub> H<sub>10</sub> O



Component Registry Number: 91-64-5

Formula: C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>



Formula: (C<sub>11</sub> H<sub>10</sub> O . C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>)<sub>x</sub>

CA Index Name: 2H-1-Benzopyran-2-one, polymer with 2-methoxynaphthalene

Class Identifier: Polymer

Polymer Class Term: Polyether, Polyether only

-- Resources --

References: ~1

STN Files: CAPLUS, CA

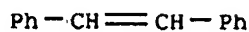
Database: REGISTRY (Copyright (C) 2007 ACS)

## Additional Information:

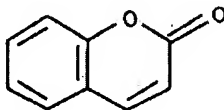
Answer 4:

Registry Number: 938440-31-4

Component Registry Number: 588-59-0

Formula: C<sub>14</sub> H<sub>12</sub>

Component Registry Number: 91-64-5

Formula: C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>Formula: (C<sub>14</sub> H<sub>12</sub> . C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>)<sub>x</sub>

CA Index Name: 2H-1-Benzopyran-2-one, polymer with 1,1'-(1,2-ethenediyl)bis[benzene]

Class Identifier: Polymer

Polymer Class Term: Polyether, Polystyrene

## -- Resources --

References: ~1

STN Files: CAPLUS, CA

Database: REGISTRY (Copyright (C) 2007 ACS)

## Additional Information:

Answer 5:

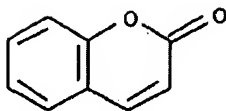
Registry Number: 938440-30-3

Component Registry Number: 1126-79-0

Formula: C<sub>10</sub> H<sub>14</sub> O

Component Registry Number: 91-64-5

Formula: C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>



**Formula:** (C<sub>10</sub> H<sub>14</sub> O . C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>)<sub>x</sub>

**CA Index Name:** 2H-1-Benzopyran-2-one, polymer with butoxybenzene

**Class Identifier:** Polymer

**Polymer Class Term:** Polyether, Polyether only

-- Resources --

**References:** ~1

**STN Files:** CAPLUS, CA

**Database:** REGISTRY (Copyright (C) 2007 ACS)

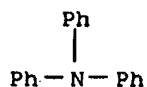
**Additional Information:**

Answer 6:

**Registry Number:** 938440-29-0

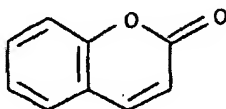
Component Registry Number: 603-34-9

Formula: C<sub>18</sub> H<sub>15</sub> N



Component Registry Number: 91-64-5

Formula: C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>



**Formula:** (C<sub>18</sub> H<sub>15</sub> N . C<sub>9</sub> H<sub>6</sub> O<sub>2</sub>)<sub>x</sub>

**CA Index Name:** 2H-1-Benzopyran-2-one, polymer with N,N-diphenylbenzenamine

**Class Identifier:** Polymer

Polymer Class Term: Polyether, Polyether only

-- Resources --

References: -1

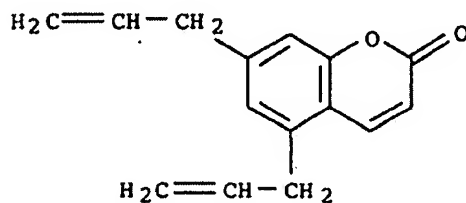
STN Files: CAPLUS, CA

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

Answer 7:

Registry Number: 935426-39-4



Formula: C<sub>15</sub>H<sub>14</sub>O<sub>2</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 5,7-di-2-propen-1-yl-

-- Resources --

References: -1

STN Files: CAPLUS, CA

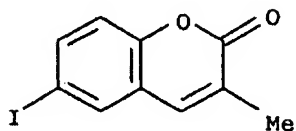
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

3D Model

Answer 8:

Registry Number: 934964-91-7



Formula: C<sub>10</sub>H<sub>7</sub>IO<sub>2</sub>



CA Index Name: 2H-1-Benzopyran-2-one, 6-iodo-3-methyl-

-- Resources --

References: ~1

STN Files: CAPLUS, CA, CASREACT

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

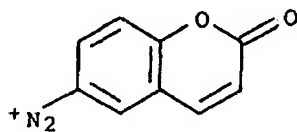
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

3D Model

Answer 9:

Registry Number: 934623-90-2



• Cl<sup>-</sup>

Formula: C<sub>9</sub> H<sub>5</sub> N<sub>2</sub> O<sub>2</sub> · Cl

CA Index Name: 2H-1-Benzopyran-6-diazonium, 2-oxo-, chloride (1:1)

-- Resources --

References: ~1

STN Files: CAPLUS, CA

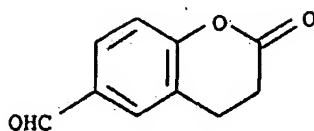
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

3D Model

Answer 10:

Registry Number: 933752-08-0



**Formula:** C<sub>10</sub> H<sub>8</sub> O<sub>3</sub>

**CA Index Name:** 2H-1-Benzopyran-6-carboxaldehyde, 3,4-dihydro-2-oxo-

-- Resources --

**References:** None

**STN Files:** CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

**Database:** REGISTRY (Copyright (C) 2007 ACS)

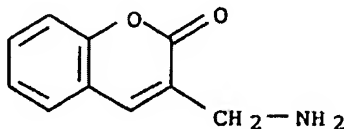
**Additional Information:**

3D Model

Commercial Sources

Answer 11:

**Registry Number:** 933737-90-7



**Formula:** C<sub>10</sub> H<sub>9</sub> N O<sub>2</sub>

**CA Index Name:** 2H-1-Benzopyran-2-one, 3-(aminomethyl)-

-- Resources --

**References:** None

**STN Files:** CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

**Database:** REGISTRY (Copyright (C) 2007 ACS)

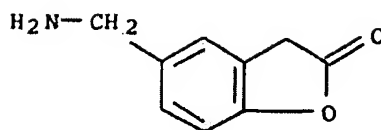
## Additional Information:

3D Model

Commercial Sources

Answer 12:

Registry Number: 933726-57-9

Formula: C<sub>9</sub> H<sub>9</sub> N O<sub>2</sub>

CA Index Name: 2(3H)-Benzofuranone, 5-(aminomethyl)-

## -- Resources --

References: None

STN Files: CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

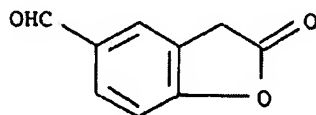
## Additional Information:

3D Model

Commercial Sources

Answer 13:

Registry Number: 933720-22-0

Formula: C<sub>9</sub> H<sub>6</sub> O<sub>3</sub>

CA Index Name: 5-Benzofurancarboxaldehyde, 2,3-dihydro-2-oxo-

## -- Resources --

References: None

STN Files: CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

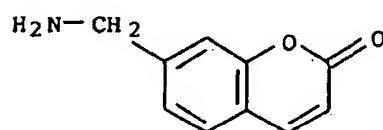
Additional Information:

3D Model

Commercial Sources

Answer 14:

Registry Number: 933718-33-3



Formula: C10 H9 N O2

CA Index Name: 2H-1-Benzopyran-2-one, 7-(aminomethyl)-

-- Resources --

References: None

STN Files: CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

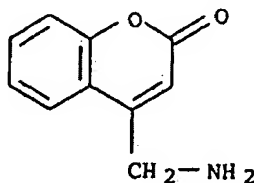
Additional Information:

3D Model

Commercial Sources

Answer 15:

Registry Number: 933692-96-7



Formula: C10 H9 N O2

CA Index Name: 2H-1-Benzopyran-2-one, 4-(aminomethyl)-

-- Resources --

References: None

STN Files: CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

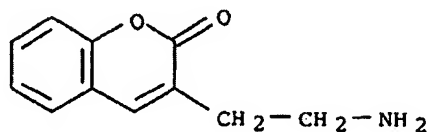
Additional Information:

3D Model

Commercial Sources

Answer 16:

Registry Number: 933689-52-2



Formula: C<sub>11</sub>H<sub>11</sub>N O<sub>2</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 3-(2-aminoethyl)-

-- Resources --

References: None

STN Files: CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

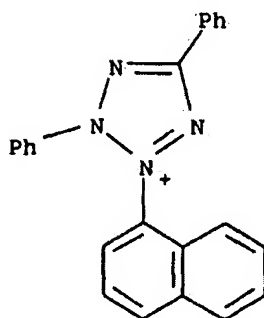
3D Model

Commercial Sources

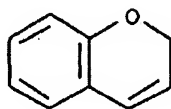
Answer 17:

Registry Number: 933064-16-5

Component Registry Number: 1719-71-7 (134102-55-9)

Formula: C<sub>23</sub> H<sub>17</sub> N<sub>4</sub> . Cl• Cl<sup>-</sup>

Component Registry Number: 254-04-6

Formula: C<sub>9</sub> H<sub>8</sub> OFormula: C<sub>23</sub> H<sub>17</sub> N<sub>4</sub> . C<sub>9</sub> H<sub>8</sub> O . Cl

CA Index Name: 2H-Tetrazolium, 3-(1-naphthalenyl)-2,5-diphenyl-, chloride (1:1), mixt. with 2H-1-benzopyran

Class Identifier: Mixture

## -- Resources --

References: ~1

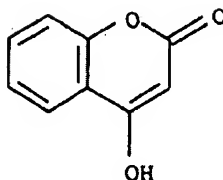
STN Files: CAPLUS, CA

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

Answer 18:

Registry Number: 929551-63-3



• Na

**Formula:** C<sub>9</sub> H<sub>6</sub> O<sub>3</sub> . Na

**CA Index Name:** 2H-1-Benzopyran-2-one, 4-hydroxy-, sodium salt (1:1)

-- Resources --

**References:** ~1

**STN Files:** CAPLUS, CA, CASREACT

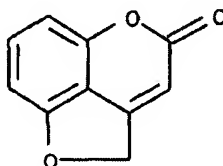
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

**Database:** REGISTRY (Copyright (C) 2007 ACS)

**Additional Information:**  
3D Model

Answer 19:

**Registry Number:** 929444-26-8



**Formula:** C<sub>10</sub> H<sub>6</sub> O<sub>3</sub>

**CA Index Name:** INDEX NAME NOT YET ASSIGNED

-- Resources --

**References:** None

**STN Files:** CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

3D Model

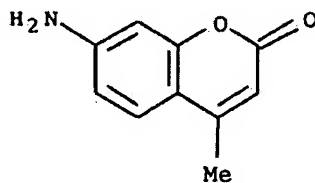
Commercial Sources

Answer 20:

Registry Number: 928843-23-6

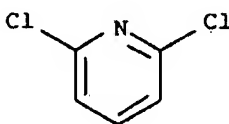
Component Registry Number: 26093-31-2

Formula: C<sub>10</sub> H<sub>9</sub> N O<sub>2</sub>



Component Registry Number: 2402-78-0

Formula: C<sub>5</sub> H<sub>3</sub> Cl<sub>2</sub> N



Formula: (C<sub>10</sub> H<sub>9</sub> N O<sub>2</sub> . C<sub>5</sub> H<sub>3</sub> Cl<sub>2</sub> N)<sub>x</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 7-amino-4-methyl-, polymer with 2,6-dichloropyridine

Class Identifier: Polymer

Polymer Class Term: Polyether, Polyether only

-- Resources --

References: ~1

STN Files: CAPLUS, CA

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

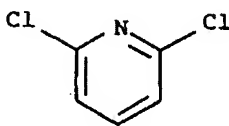
Answer 21:



Registry Number: 928843-21-4

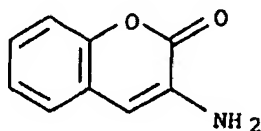
Component Registry Number: 2402-78-0

Formula: C<sub>5</sub> H<sub>3</sub> Cl<sub>2</sub> N



Component Registry Number: 1635-31-0

Formula: C<sub>9</sub> H<sub>7</sub> N O<sub>2</sub>



Formula: (C<sub>9</sub> H<sub>7</sub> N O<sub>2</sub> . C<sub>5</sub> H<sub>3</sub> Cl<sub>2</sub> N)<sub>x</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 3-amino-, polymer with 2,6-dichloropyridine

Class Identifier: Polymer

Polymer Class Term: Polyether, Polyether only

-- Resources --

References: -1

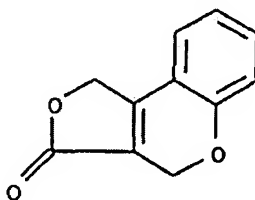
STN Files: CAPLUS, CA

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

Answer 22:

Registry Number: 928770-76-7



Formula: C<sub>11</sub> H<sub>8</sub> O<sub>3</sub>

CA Index Name: 3H-Furo[3,4-c][1]benzopyran-3-one, 1,4-dihydro-

-- Resources --

References: -1

STN Files: CAPLUS, CA, CASREACT

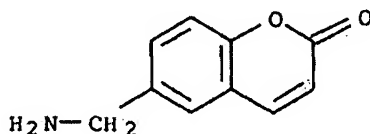
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:  
3D Model

Answer 23:

Registry Number: 927173-90-8



Formula: C<sub>10</sub>H<sub>9</sub>N O<sub>2</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 6-(aminomethyl)-

-- Resources --

References: ~1

STN Files: CAPLUS, CA, CASREACT, CHEMCATS

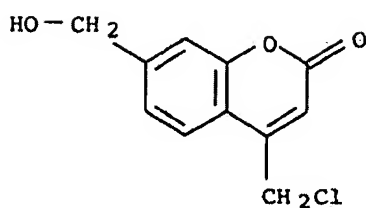
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:  
3D Model  
Commercial Sources

Answer 24:

Registry Number: 923219-76-5



Formula: C<sub>11</sub> H<sub>9</sub> Cl O<sub>3</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 4-(chloromethyl)-7-(hydroxymethyl)-

-- Resources --

References: None

STN Files: CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

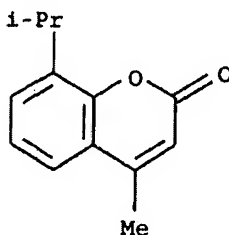
Additional Information:

3D Model

Commercial Sources

Answer 25:

Registry Number: 923019-31-2



Formula: C<sub>13</sub> H<sub>14</sub> O<sub>2</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 4-methyl-8-(1-methylethyl)-

-- Resources --

References: ~1

STN Files: CAPLUS, CA, CASREACT

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

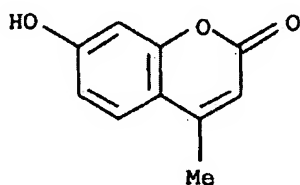
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

3D Model

Answer 26:

Registry Number: 922706-72-7



• 3 H<sub>2</sub>O

Formula: C<sub>10</sub> H<sub>8</sub> O<sub>3</sub> · 3 H<sub>2</sub>O

CA Index Name: 2H-1-Benzopyran-2-one, 7-hydroxy-4-methyl-, hydrate (1:3)

-- Resources --

References: ~1

STN Files: CAPLUS, CA

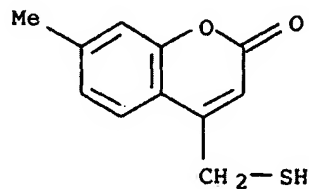
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

3D Model

Answer 27:

Registry Number: 922526-48-5



Formula: C<sub>11</sub> H<sub>10</sub> O<sub>2</sub> S

**CA Index Name:** 2H-1-Benzopyran-2-one, 4-(mercaptomethyl)-7-methyl-

-- Resources --

**References:** ~1

**STN Files:** CAPLUS, CA, CASREACT

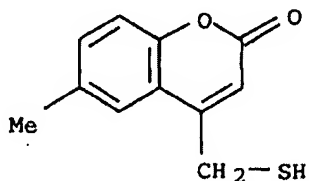
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

**Database:** REGISTRY (Copyright (C) 2007 ACS)

**Additional Information:**  
3D Model

Answer 28:

**Registry Number:** 922526-47-4



**Formula:** C<sub>11</sub> H<sub>10</sub> O<sub>2</sub> S

**CA Index Name:** 2H-1-Benzopyran-2-one, 4-(mercaptomethyl)-6-methyl-

-- Resources --

**References:** ~1

**STN Files:** CAPLUS, CA, CASREACT

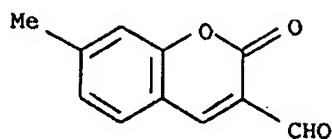
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

**Database:** REGISTRY (Copyright (C) 2007 ACS)

**Additional Information:**  
3D Model

Answer 29:

**Registry Number:** 920525-97-9



**Formula:** C<sub>11</sub> H<sub>8</sub> O<sub>3</sub>

**CA Index Name:** 2H-1-Benzopyran-3-carboxaldehyde, 7-methyl-2-oxo-

-- Resources --

**References:** ~1

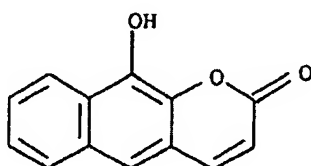
**STN Files:** CAPLUS, CA

**Database:** REGISTRY (Copyright (C) 2007 ACS)

**Additional Information:**  
3D Model

Answer 30:

**Registry Number:** 918300-51-3



**Formula:** C<sub>13</sub> H<sub>8</sub> O<sub>3</sub>

**CA Index Name:** 2H-Naphtho[2,3-b]pyran-2-one, 10-hydroxy-

-- Resources --

**References:** ~1

**STN Files:** CAPLUS, CA, CASREACT

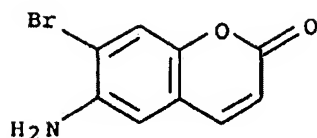
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

**Database:** REGISTRY (Copyright (C) 2007 ACS)

**Additional Information:**  
D Model

Answer 31:

Registry Number: 918300-49-9



Formula: C<sub>9</sub>H<sub>6</sub>BrN O<sub>2</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 6-amino-7-bromo-

-- Resources --

References: ~1

STN Files: CAPLUS, CA, CASREACT

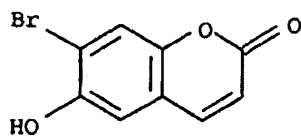
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:  
3D Model

Answer 32:

Registry Number: 918300-48-8



Formula: C<sub>9</sub>H<sub>5</sub>Br O<sub>3</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 7-bromo-6-hydroxy-

-- Resources --

References: ~1

STN Files: CAPLUS, CA, CASREACT

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

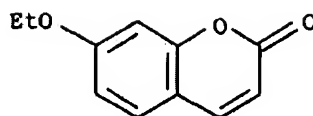
Database: REGISTRY (Copyright (C) 2007 ACS)

## Additional Information:

3D Model

Answer 33:

Registry Number: 917499-62-8

Formula: C<sub>11</sub> H<sub>10</sub> O<sub>3</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 7-ethoxy-, radical ion(1+)

Class Identifier: Radical Ion

## -- Resources --

References: ~1

STN Files: CAPLUS, CA

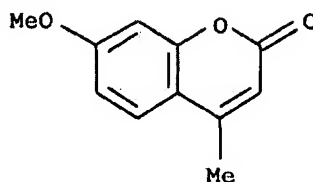
Database: REGISTRY (Copyright (C) 2007 ACS)

## Additional Information:

3D Model

Answer 34:

Registry Number: 917499-61-7

Formula: C<sub>11</sub> H<sub>10</sub> O<sub>3</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 7-methoxy-4-methyl-, radical ion(1+)

Class Identifier: Radical Ion

## -- Resources --

References: ~1



STN Files: CAPLUS, CA

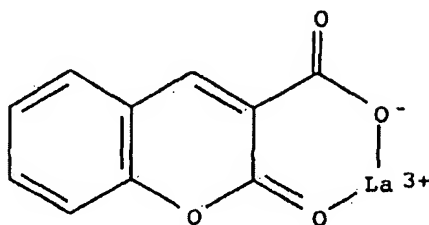
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

3D Model

Answer 35:

Registry Number: 917245-05-7



Formula: C<sub>10</sub> H<sub>5</sub> La O<sub>4</sub>

CA Index Name: Lanthanum(2+), [2-(oxo-κO)-2H-1-benzopyran-3-carboxylato-κO3]-

Class Identifier: Coordination Compound

-- Resources --

References: ~1

STN Files: CAPLUS, CA

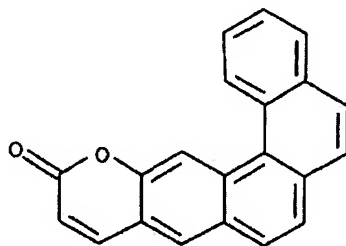
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

3D Model

Answer 36:

Registry Number: 915206-83-6



Formula: C<sub>21</sub> H<sub>12</sub> O<sub>2</sub>

CA Index Name: 12H-Benzo[5,6]phenanthro[3,2-b]pyran-12-one

-- Resources --

References: -1

STN Files: CAPLUS, CA, CASREACT

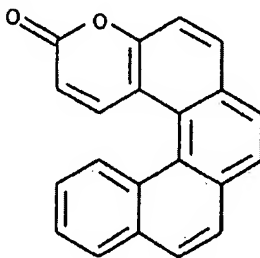
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:  
3D Model

Answer 37:

Registry Number: 915206-82-5



Formula: C21 H12 O2

CA Index Name: 3H-Benzo[5,6]phenanthro[3,4-b]pyran-3-one

-- Resources --

References: -1

STN Files: CAPLUS, CA, CASREACT

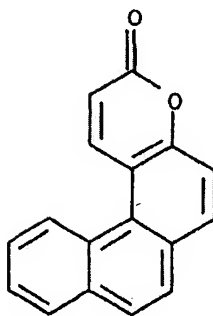
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:  
3D Model

Answer 38:

Registry Number: 915206-79-0



**Formula:** C17 H10 O2

**CA Index Name:** 3H-Phenanthro[3,4-b]pyran-3-one

-- Resources --

**References:** ~1

**STN Files:** CAPLUS, CA, CASREACT

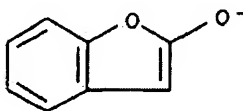
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

**Database:** REGISTRY (Copyright (C) 2007 ACS)

**Additional Information:**  
3D Model

Answer 39:

**Registry Number:** 914254-16-3



**Formula:** C8 H5 O2

**CA Index Name:** 2-Benzofuranol, ion(1-)

-- Resources --

**References:** ~1

**STN Files:** CAPLUS, CA

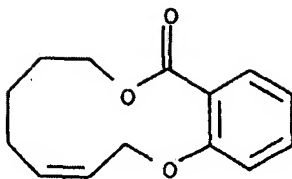
**Database:** REGISTRY (Copyright (C) 2007 ACS)

## Additional Information:

3D Model

Answer 40:

Registry Number: 913476-66-1

Formula: C<sub>14</sub> H<sub>16</sub> O<sub>3</sub>

CA Index Name: INDEX NAME NOT YET ASSIGNED

-- Resources --

References: None

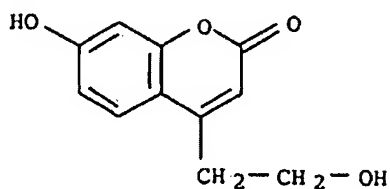
Database: REGISTRY (Copyright (C) 2007 ACS)

## Additional Information:

3D Model

Answer 41:

Registry Number: 911290-42-1

Formula: C<sub>11</sub> H<sub>10</sub> O<sub>4</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 7-hydroxy-4-(2-hydroxyethyl)-

Other Names: 4-(2-Hydroxyethyl)-7-hydroxy-2H-chromen-2-one

-- Resources --

References: -1

STN Files: CAPLUS, CA

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

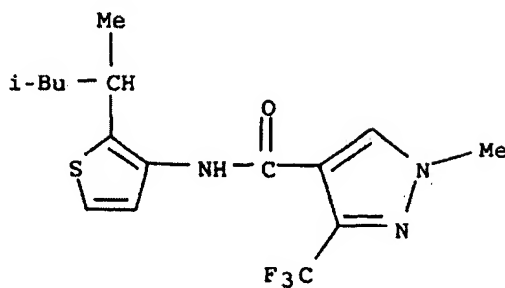
3D Model

Answer 42:

Registry Number: 911059-74-0

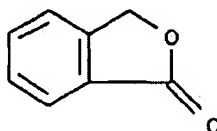
Component Registry Number: 183675-82-3

Formula: C<sub>16</sub> H<sub>20</sub> F<sub>3</sub> N<sub>3</sub> O S



Component Registry Number: 87-41-2

Formula: C<sub>8</sub> H<sub>6</sub> O<sub>2</sub>



Formula: C<sub>16</sub> H<sub>20</sub> F<sub>3</sub> N<sub>3</sub> O S . C<sub>8</sub> H<sub>6</sub> O<sub>2</sub>

CA Index Name: 1H-Pyrazole-4-carboxamide,  
N-[2-(1,3-dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)-, mixt. with  
1(3H)-isobenzofuranone (9CI)

Class Identifier: Mixture

-- Resources --

References: ~1

STN Files: CAPLUS, CA

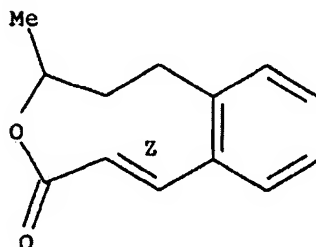
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

Answer 43:

Registry Number: 910661-61-9

Double bond geometry as described by E or Z.



Formula: C<sub>13</sub> H<sub>14</sub> O<sub>2</sub>

CA Index Name: 4-Benzoxonin-3(5H)-one, 6,7-dihydro-5-methyl-, (1Z)-

-- Resources --

References: ~1

STN Files: CAPLUS, CA, CASREACT

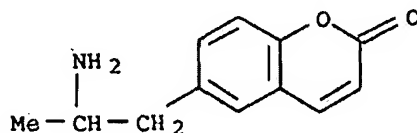
(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:  
3D Model

Answer 44:

Registry Number: 910408-07-0



Formula: C<sub>12</sub> H<sub>13</sub> N O<sub>2</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 6-(2-aminopropyl)-

-- Resources --

References: None

STN Files: CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

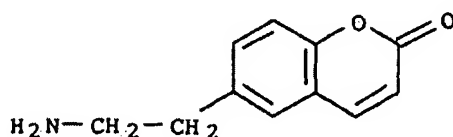
Additional Information:

3D Model

Commercial Sources

Answer 45:

Registry Number: 910396-24-6



Formula: C<sub>11</sub> H<sub>11</sub> N O<sub>2</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 6-(2-aminoethyl)-

-- Resources --

References: None

STN Files: CHEMCATS

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

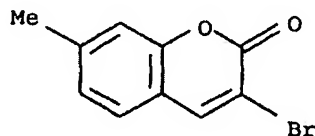
Additional Information:

3D Model

Commercial Sources

Answer 46:

Registry Number: 909038-40-0



Formula: C<sub>10</sub> H<sub>7</sub> Br O<sub>2</sub>

CA Index Name: 2H-1-Benzopyran-2-one, 3-bromo-7-methyl-

## -- Resources --

References: -2

STN Files: CAPLUS, CA, CASREACT

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

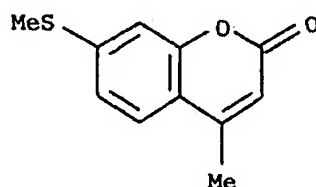
Database: REGISTRY (Copyright (C) 2007 ACS)

## Additional Information:

3D Model

Answer 47:

Registry Number: 908999-45-1



Formula: C11 H10 O2 S

CA Index Name: 2H-1-Benzopyran-2-one, 4-methyl-7-(methylthio)-

## -- Resources --

References: -1

STN Files: CAPLUS, CA, CASREACT

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Database: REGISTRY (Copyright (C) 2007 ACS)

## Additional Information:

3D Model

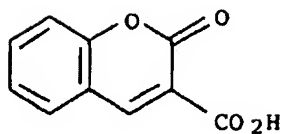
Answer 48:

Registry Number: 908572-53-2

Component Registry Number: 531-81-7

Formula: C10 H6 O4

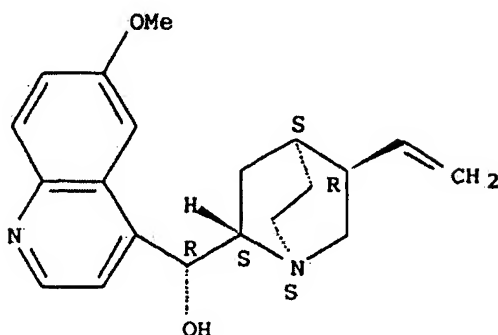




Component Registry Number: 130-95-0

Formula: C<sub>20</sub> H<sub>24</sub> N<sub>2</sub> O<sub>2</sub>

Absolute stereochemistry.



Formula: C<sub>20</sub> H<sub>24</sub> N<sub>2</sub> O<sub>2</sub> . C<sub>10</sub> H<sub>6</sub> O<sub>4</sub>

CA Index Name: Quinine, compd. with 3-coumarincarboxylic acid (3CI)

-- Resources --

References: ~3

STN Files: CAPLUS, CA, TOXCENTER

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Deleted Registry Number(s): 882174-08-5, 898813-60-0

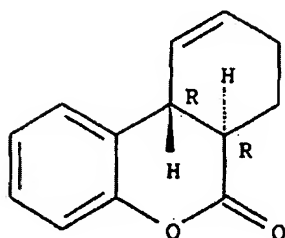
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

Answer 49:

Registry Number: 908000-01-1

Relative stereochemistry.



**Formula:** C<sub>13</sub> H<sub>12</sub> O<sub>2</sub>

**CA Index Name:** 6H-Dibenzo[b,d]pyran-6-one, 6a,7,8,10a-tetrahydro-, (6aR,10aR)-rel-

-- Resources --

**References:** -1

**STN Files:** CAPLUS, CA, CASREACT

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

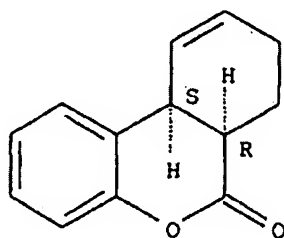
**Database:** REGISTRY (Copyright (C) 2007 ACS)

**Additional Information:**  
3D Model

Answer 50:

**Registry Number:** 908000-00-0

Relative stereochemistry.



**Formula:** C<sub>13</sub> H<sub>12</sub> O<sub>2</sub>

**CA Index Name:** 6H-Dibenzo[b,d]pyran-6-one, 6a,7,8,10a-tetrahydro-, (6aR,10aS)-rel-

-- Resources --

**References:** -1

STN Files: CAPLUS, CA, CASREACT

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

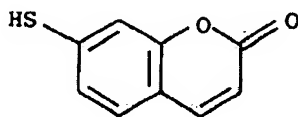
Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

3D Model

Answer 51:

Registry Number: 907966-93-2



Formula: C9 H6 O2 S

CA Index Name: INDEX NAME NOT YET ASSIGNED

-- Resources --

References: None

Database: REGISTRY (Copyright (C) 2007 ACS)

Additional Information:

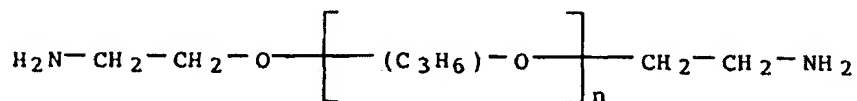
3D Model

Answer 52:

Registry Number: 906354-53-8

Component Registry Number: 9046-10-0

Formula: (C3 H6 O)<sub>n</sub> C6 H16 N2 O



2 ( D1 - Me )

Component Registry Number: 1675-54-3

Formula: C21 H24 O4